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electrophoresis and visualized with ethidium bromide. The size markers are 1 kb ladder (BRL). The results of detection of mouse α -interferon receptor mRNA by RT-PCR in the samples described above are shown in Figure 15B. The specific human HPRT mRNA was also detected in the other tissues tested (brain, kidney and heart) derived from the 4-3 mouse. Comparable steady-state levels of mouse and human HPRT mRNA were detected in the liver of γ HPRT-containing progeny. These results indicate that the uptake of as much as 13 megabases of yeast genomic DNA was not detrimental to proper development, germline transmission or gene expression.

Please insert the sequence listing (pages 1-8) submitted herewith at the end of the application after the abstract.

IN THE CLAIMS:

Please cancel ~~claim~~ 68 without prejudice.

REMARKS

Applicants have canceled non-elected claim 68 without prejudice. Applicants expressly reserve the right to pursue any cancelled subject matter in subsequent applications that claim benefit from this application. Upon entry of the amendments, claims 83-85 will be pending in this application. The Examiner has indicated that claims 83-85 are allowable over the prior art at this time.

CLAIM 68

The Examiner states that claim 68 is drawn to non-elected subject matter and that a complete reply to the final rejection must include cancellation of the non-elected claim or filing of a petition under 37 C.F.R. § 1.144.